

Product Name :
Hydraulic Flow Demonstrator

Product Code :
NLAB-TECHNICALAB26002

Description :

Hydraulic Flow Demonstrator

Technical Specification :

A floor standing flow channel for use with Hydraulics Bench
Working section 77mm wide, 150mm high and 1100mm long
Can be configured to demonstrate flow in open channels and closed conduits
Clear acrylic sides for good visibility of flow patterns created
Stilling arrangement at inlet to promote smooth flow into the working section
Section of bed can be elevated continuously and locked at the required height
Discharge tank incorporates flow control valve for convenience in setting up
Total and static heads indicated on multi-tube manometer connected to Pitot tubes and static tappings at three locations in working section
Pitot tubes mounted through bed of channel for ease of priming and height adjustment (can be traversed from floor to roof to measure velocity profile)
Transparent scales allow measurement of all important heights and levels
Models of hydraulic structures supplied include Undershot Weir (Sluice gate) at the inlet, Overshot Weir at the outlet, Sharp Crested Weir, Broad Crested Weir (also used to create a Culvert) and Ogee Weir
Suitable for project work with alternative hydraulic structures (user created)
Optional direct reading flowmeter to aid setting up of demonstrations
Comprehensive instruction manual supplied
Width of working section 77mm
Depth of working section 150mm
Length of working section 1100mm
Maximum operating flowrate 1.6 litres/sec

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003